



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101627,568
Source: Oipc
Date Processed by STIC: 8-603

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER:
-----------------------	-----------------------------	-----------------------

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>

Sequence(s) 2 _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/627,568

DATE: 08/06/2003
TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

```

3 <110> APPLICANT: Akzo Nobel Patent Department
5 <120> TITLE OF INVENTION: EIAV VACCINE AND DIAGNOSTIC
7 <130> FILE REFERENCE: I 2000.608 CIP
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/627,568
C--> 9 <141> CURRENT FILING DATE: 2003-07-24
9 <150> PRIOR APPLICATION NUMBER: US 09/658,547
10 <151> PRIOR FILING DATE: 2000-09-09
12 <160> NUMBER OF SEQ ID NOS: 22
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 34
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Primer
24 <400> SEQUENCE: 1
25 tttacactag tatactccca tatatatcaa acct
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 19
30 <212> TYPE: DNA
C--> 31 <213> ORGANISM: Artificial Sequence
W--> 33 <220> FEATURE:
W--> 33 <223> OTHER INFORMATION:
W--> 33 <400> 2
34 catgctgttc ttactgtca
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 27
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Primer
45 <400> SEQUENCE: 3
46 cctcattgca ctaagcaagg atcaggc
49 <210> SEQ ID NO: 4
50 <211> LENGTH: 25
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Primer
57 <400> SEQUENCE: 4
58 gatagcttct aataatgttag cagta
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 21

```

Does Not Comply
Corrected Diskette Needed

→ mandatory explanation
see item 11 on error
summary sheet.

34

19

27

25

RAW SEQUENCE LISTING DATE: 08/06/2003
PATENT APPLICATION: US/10/627,568 TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Primer
69 <400> SEQUENCE: 5
70 atatcaaacc ttataacaaa t 21
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Primer
81 <400> SEQUENCE: 6
82 attatttggt aaagggttaa 20
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 27
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Primer
93 <400> SEQUENCE: 7
94 gcgatgctga ccatgttacc cctttac 27
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 27
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
105 <400> SEQUENCE: 8
106 attctacggg gtgatccccag gggaaat 27
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Primer
117 <400> SEQUENCE: 9
118 ccattgtcag ctgtgtttcc tgag 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 26
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer
129 <400> SEQUENCE: 10
130 ccaaagtatt cctccagtag aacctg 26
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 31
135 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 08/06/2003
PATENT APPLICATION: US/10/627,568 TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primer
141 <400> SEQUENCE: 11
142 atatcaaacc ttataacaaa tattgagggtt g 31
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 27
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Primer
153 <400> SEQUENCE: 12
154 tactagtgtta aaggggtaac atggta 27
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 36
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Primer
165 <400> SEQUENCE: 13
166 tactagtata tggtcagcat cgcattctac ggggtg 36
169 <210> SEQ ID NO: 14
170 <211> LENGTH: 26
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Primer
177 <400> SEQUENCE: 14
178 aaaccttata acaaataattg aggttg 26
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 26
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Primer
189 <400> SEQUENCE: 15
190 agggaaagta tgggaggaca gacacc 26
193 <210> SEQ ID NO: 16
194 <211> LENGTH: 33
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Primer
201 <400> SEQUENCE: 16
202 gtataactcaa accttataac aaatatttagt gtt 33
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 29
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 08/06/2003
PATENT APPLICATION: US/10/627,568 TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

210 <220> FEATURE:
211 <223> OTHER INFORMATION: Primer
213 <400> SEQUENCE: 17
214 gttttagat actagtgtaa aggggtaac 29
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 24
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Primer
225 <400> SEQUENCE: 18
226 ccaaagtatt cctccagttc ctgc 24
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 26
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Primer
237 <400> SEQUENCE: 19
238 agggaaagta tgggaggaca gacacc 26
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 33
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Primer
249 <400> SEQUENCE: 20
250 tactcctcaa accttataac aaatatttgag gtt 33
253 <210> SEQ ID NO: 21
254 <211> LENGTH: 28
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Primer
261 <400> SEQUENCE: 21
262 gttttagggag tataactgtg taaagggg 28
265 <210> SEQ ID NO: 22
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Primer
273 <400> SEQUENCE: 22
274 ccaaagtatt cctccagttc ctgc 24

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/06/2003
PATENT APPLICATION: US/10/627,568 TIME: 07:15:34

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:2

VERIFICATION SUMMARY DATE: 08/06/2003
PATENT APPLICATION: US/10/627,568 TIME: 07:15:34

Input Set : A:\Seq Listing.ST25.txt
Output Set: N:\CRF4\08062003\J627568.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:31 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:33 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:33 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:33 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2, Line#:33